

CLAIMS:

I claim:

Cancel claim 1.

- 1 2. An outboard jet drive boat in accordance with
- 2 claim 19 in which a secondary fuel tank (38) is
- 3 mounted in said housing (13) and coupled between said
- 4 main fuel tank (33) and said engine (16).



1 3. An outboard jet drive boat in accordance with
2 claim 2 in which said housing (13) has a transom (12)
3 hanging bracket (32) attached thereto and positioned
4 for attaching said housing (13) to said transom (12)
5 of said boat hull (11).

1 4. An outboard jet drive boat in accordance with
2 claim 3 in which said engine (16) is a diesel engine.


1 5. An outboard jet drive boat in accordance with
2 claim 3 including a fuel pump (41) mounted in said
3 housing (13) and coupled to said secondary fuel tank
4 (38).

Cancel claim 6.

1 7. An outboard jet drive boat in accordance with
2 claim 5 having engine controls mounted in said boat
3 hull (11) coupled to said engine (16) and jet drive
4 unit (17) for controlling said engine from said hull
5 (11).

1 8. An outboard jet drive boat in accordance with
2 claim 7 in which a jet drive unit (17) is mounted
3 through said housing (13) rear side and attached to
4 said front and rear sides.

1 9. An outboard jet drive boat in accordance with
2 claim 8 having a battery mounted in said boat hull
3 (11) and electrically connected to said engine (16)
4 for starting said engine (16).



1 10. An outboard jet drive boat in accordance
2 with claim 9 in which said engine (16) has monitoring
3 sensors and said boat hull (11) has a plurality of
4 engine instruments mounted therein operatively coupled
5 to said engine sensors to provide sensed engine
6 conditions in said engine instruments in said boat
7 hull (11).

1 11. An outboard jet drive boat in accordance
2 with claim 9 having a clutched belt drive (27)
3 operatively connecting said engine to said jet drive
4 unit (17).

1 12. An outboard jet drive boat in accordance
2 with claim 11 in which said housing (13) is sealed
3 against the intrusion of water and partially extends
4 into the water when said boat hull (11) is afloat to
5 provide added buoyancy to said boat hull (11).

1 13. An outboard jet drive boat in accordance
2 with claim 12 in which said engine (16) has a sealed
3 engine coolant system whereby the engine cooling is
4 not dependent upon water from the body of water the
5 boat hull (11) is floating upon.

1 14. An outboard jet drive boat in accordance
2 with claim 5 in which said engine (16) is mounted to
3 said mounting platform (14) generally parallel to said
4 jet drive unit (17).

1 15. An outboard jet drive boat in accordance
2 with claim 14 in which said engine (16) is mounted in
3 a reverse direction to said jet drive unit (17).



1 16. An outboard jet drive boat in accordance
2 with claim 19 in which said housing (13) is mounted to
3 said transom (12) above the hull (11) bottom to
4 thereby reduce the ingress of debris.

1 17. An outboard jet drive boat in accordance
2 with claim 19 in which said platform (14) is sealed to
3 said housing (13) to prevent the escape of leaking
4 liquids from said engine.

1 18. An outboard jet drive boat in accordance
2 with claim 9 in which said housing (13) has an
3 auxiliary battery mounted therein.



19. An outboard jet drive boat comprising:

a hull (11) having a transom (12);

a housing (13) sealed against the intrusion of water, said housing (13) having front and rear sides, and a top and bottom and having a sealable entrance through the top thereof, and said housing (13) being removably attached to the transom (12) of said hull (11);

an engine mounting platform (14) attached in said housing (13) and having a plurality of engine mounts (15) attached thereto;

an engine (16) mounted in said housing (13) and supported generally horizontally on said platform (14);

a jet drive unit (17) attached in said housing (13) below said platform (14) and extending generally parallel to said engine (16), said jet drive unit (17) extending from the rear of said housing (13) and being operatively attached to said engine (16) in said housing (13) above said platform (14); and

a main fuel tank (33) positioned inside said hull (11) and having a fuel line (35) connecting said main fuel tank (33) to said engine (16) for the feeding of fuel from said fuel tank (33) to said engine (16), whereby an outboard jet drive (17) and engine (16) are removably attached to a boat hull (11) transom (12) and isolated in a separate housing (13).

Q